



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

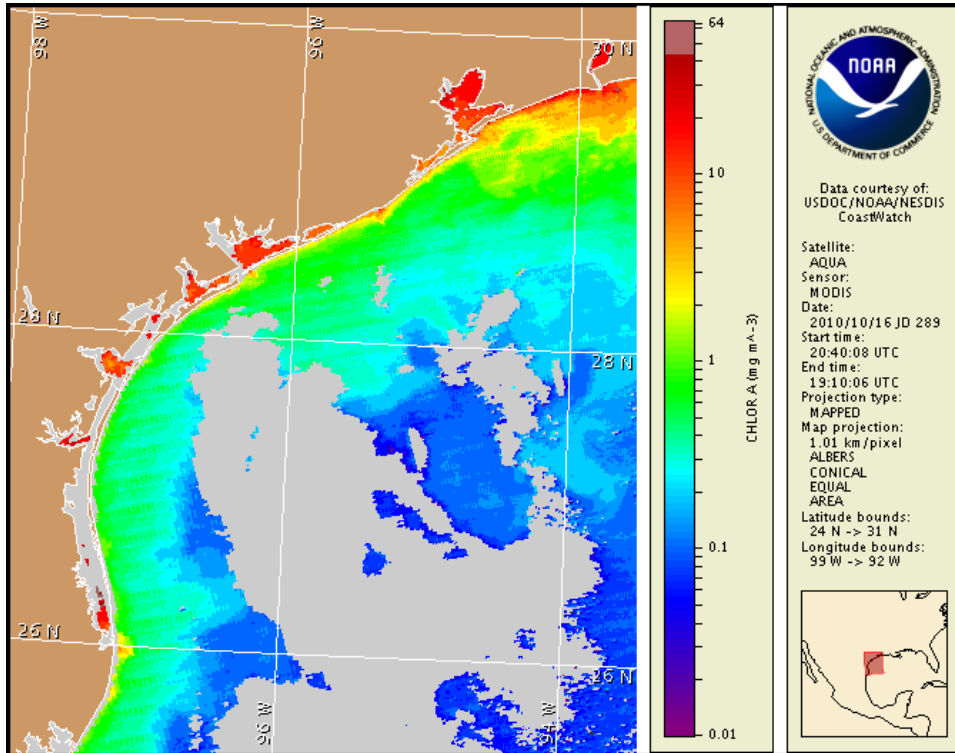
18 October 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: October 12, 2010



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 9 to 14 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

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1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

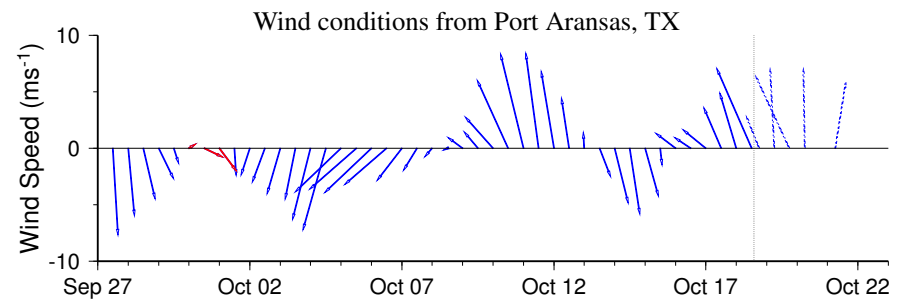
Conditions Report

There is currently no indication of a harmful algal bloom at the coast in Texas. No impacts are expected alongshore Texas today through Sunday, October 24.

Analysis

There is currently no indication of a harmful algal bloom along the coast of Texas. The elevated chlorophyll previously visible in satellite imagery is no longer present along much of the coast, though some remains visible in the region north of Galveston Bay. An elevated chlorophyll feature (2-5 $\mu\text{g/L}$) is also present approximately 6 to 9 km east of Brazos Santiago Pass, spanning from 26° 8' 35.05" N, 97° 3' 32.25" W to 26° 2' 35.51" N, 97° 3' 9.44" W. Forecast models indicate a maximum transport of 20 km north along the coast from Port Aransas from October 16-21.

Kavanaugh, Derner

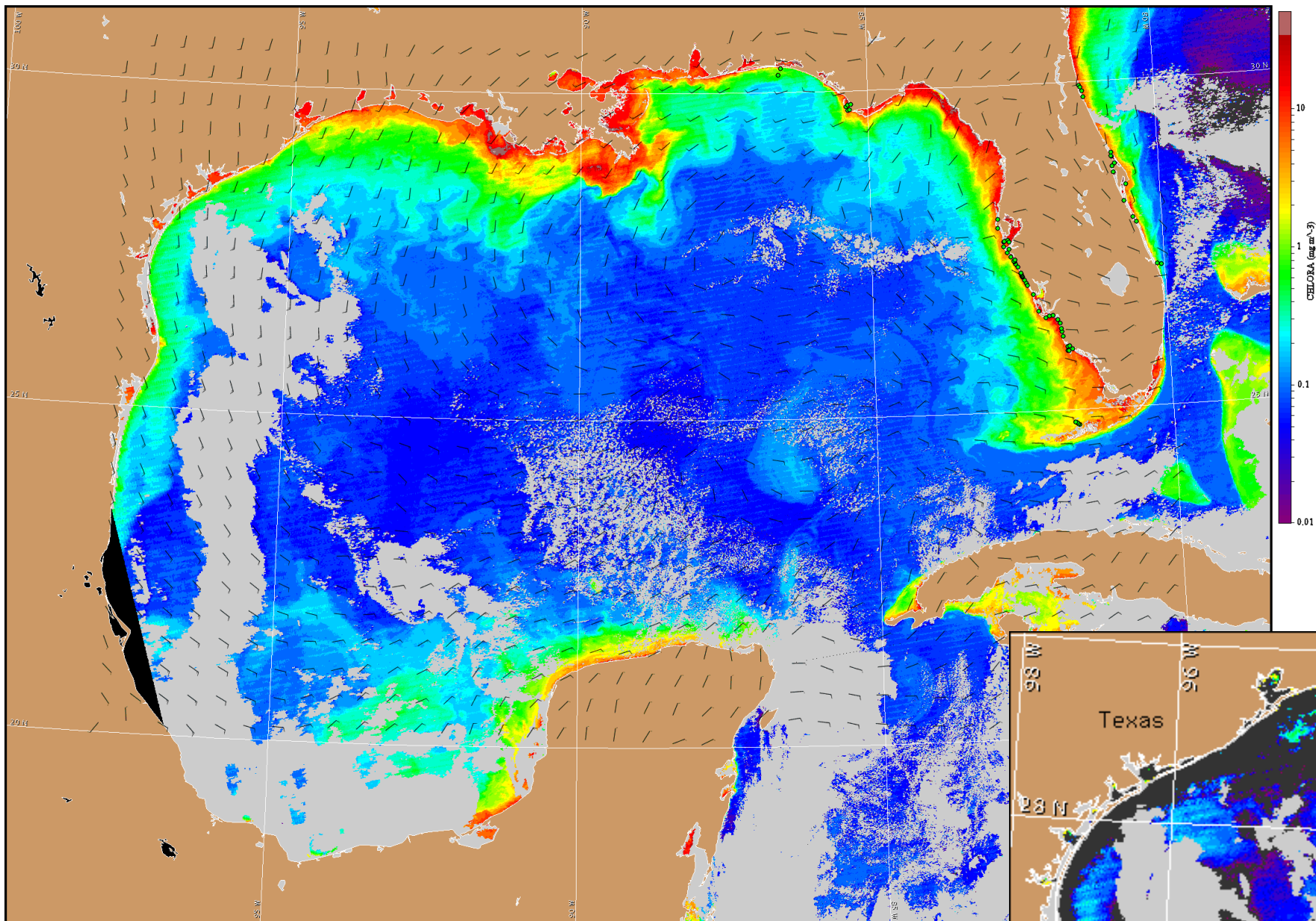


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

Wind Analysis

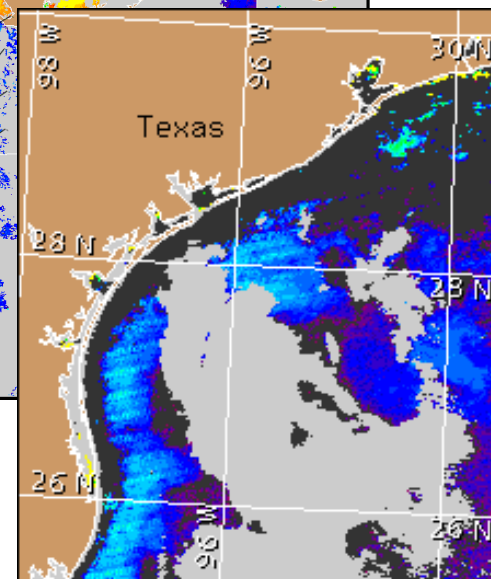
South by southeast winds (5-15 kn, 3-8 m/s) today through Friday, becoming stronger (15-20 kn, 8-10 m/s) Friday evening.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm



Satellite chlorophyll image and forecast winds for October 19, 2010 06Z with Cell concentration sampling data from October 9 to 14 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

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Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).